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Dated: March 24, 2010

Electronic Signature for Colleen McKiernan: /Colleen McKiernan/

Docket No.: 62310(71699)  
(PATENT)

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

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In re Patent Application of:  
Eshleman, James R. et al.

Application No.: 10/590,541

Confirmation No.: 9774

Filed: August 25, 2006

Art Unit: 1634

For: METHODS FOR THE DETECTION OF  
NUCLEIC ACID DIFFERENCES

Examiner: Kapushoc, Stephen  
Thomas

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**RESPONSE TO OFFICE ACTION**

MS Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

In response to the Non-Final Office Action mailed December 24, 2009, please amend the above-identified U.S. patent application as follows:

**Amendments to the Claims** are reflected in the listing of claims which begins on page 2 of this paper.

**Remarks/Arguments** begin on page 8 of this paper.